

Amendment to the Claims

Please accept amended claims 1, 10, 17, and 28, new claim 30, and cancel claim 27 without prejudice as follows:

Listing of the Claims

1. (Currently Amended) A system for discovering potential devices on a peer-to-peer (P2P) network, comprising:
 - a seeker device; and
 - a plurality of end-user devices operatively connected to the P2P network;
 - wherein each of the plurality of end-user devices is associated with at least one identity file, each identity file comprising at least one searchable element;
 - wherein at least one of the plurality of end-user devices post their at least one identity file on the P2P network using a Web service request to a Web Service Provider;
 - wherein the seeker device receives a search form including a plurality of search entry fields from the Web Service Provider,
 - wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device,
 - wherein a user of the seeker device manually enters data into at least one of the search entry fields, and
 - wherein the seeker device searches the identity files posted on the P2P network for data matching the entered data to determine at least one device of the end-user devices for a collaboration session; and
 - wherein the seeker device initiates the collaboration session with the determined end-user devices.
2. (Original) The system of claim 1, wherein the seeker device is a seeker end-user device and the plurality of potential devices are a plurality of potential end-user devices.
3. (Previously Presented) The system of claim 2, wherein the seeker end-user device and each of the plurality of potential end-user devices comprises at least one of a personal digital assistant, a laptop, and a cellular phone.

4. (Previously Presented) The system of claim 1, wherein the at least one identity file of the plurality of the potential devices is downloaded from the Web service provider in response to the seeker device sending a Web service request to the Web service provider.

5. (Previously Presented) The system of claim 2, wherein the seeker end-user device logs on a Web service provider to gain access to the P2P network using Web services and simple-object access protocols (SOAP) over hypertext transfer protocol (HTTP) and internet protocol (IP) networks.

6. (Original) The system of claim 1, wherein the seeker device is a machine connected to an IP network.

7. (Original) The system of claim 1, wherein the P2P network comprises at least one of Kazaa, OpenNAP, Gnutella, FastTrack, LimeWire, eMule/Kademlia, and Napster.

8. (Previously Presented) The system of claim 1, wherein each identity file comprises an extensible markup language (XML) file.

9. (Original) The system of claim 1, wherein the collaboration session is independent of the P2P network.

10. (Currently Amended) A method for a seeker device discovering potential collaborators on a peer-to peer (P2P) network, comprising:
discovering one or more entry point nodes to the P2P network;
registering a seeker device on the P2P network based on the discovered nodes;
downloading a search form to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the potential collaborators, wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;

manually entering data into at least one of the search entry fields by a user of the seeker device;

performing a search by the seeker device on the P2P network to determine identity files that include the manually entered data;

determining collaborators for a collaboration session from the potential collaborators on the P2P network that correspond to the determined identity files; and
initiating the collaboration session between the determined collaborators.

11. (Previously Presented) The method of claim 10, further comprising performing identity provisioning.

12. (Cancelled)

13. (Previously Presented) The method of claim 10, further comprising obtaining service and identity availability for a result of the search.

14. (Previously Presented) The method of claim 10, further comprising narrowing the search by searching only the identity files whose filenames include data for at least one of the search fields.

15. (Cancelled)

16. (Original) The method of claim 10, wherein discovering one or more entry point nodes to the P2P network comprises:

querying a Web service running on a Web service cluster;

receiving an identity form from a Web service provider in response to a Web service request, the identity form comprises a plurality of information fields;

populating one or more of the plurality of information fields; and

posting the identity form on the P2P network.

17. (Currently Amended) A method for a seeker device to discover potential

collaborators on a peer-to peer (P2P) network, comprising:

registering the seeker device with the P2P network;

initiating a Web service to a Web service provider;

requesting an available P2P server on the P2P network from the Web service provider using the Web service;

registering the available P2P server in a Web service cluster using the Web service;

downloading a search form from the Web service provider to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the potential collaborators, wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;

performing a search by the seeker device on the P2P network to determine identity files having filenames that include data for at least one of the search entry fields;

determining the collaborators that correspond to the determined identity files; and

initiating a collaboration session with the collaborators.

18. (Previously Presented) The method of claim 17, wherein registering with a P2P network comprises registering automatically with the P2P network when the seeker device connects to an IP network.

19. (Original) The method of claim 17, wherein initiating a Web service to a Web service provider comprises initiating a Web service to a Web service provider using HTTP/XML/SOAP protocols.

20. (Original) The method of claim 17, further comprising discovering the Web service provider using a UDDI Web service registry and business entities.

21. (Original) The method of claim 17, wherein requesting an available P2P server on the P2P network from the Web service provider using the Web service comprises sending a Web service request using a Web service to the Web service provider, the Web service request requesting a list of available P2P servers.

22. (Original) The method of claim 21, wherein sending a Web service request using a Web service to the Web service provider comprises sending a Web service request defined in a WSDL service descriptor file using a Web service to the Web service provider.

23. (Previously Presented) The method of claim 17, further comprising performing identity self-provisioning on the P2P network by:

receiving an identity form from the Web service provider in response to a Web service request, the identity form comprises a plurality of information fields;
populating one or more of the plurality of information fields; and
posting the identity form on the P2P network.

24-25. (Cancelled)

26. (Previously Presented) The method of claim 17, wherein the collaboration session independent of the P2P network.

27. (Cancelled)

28. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a processor to perform a method for a seeker device to discover potential collaborators on a peer-to peer (P2P) network, comprising:

registering the seeker device with the P2P network;
initiating a Web service to a Web service provider;
requesting an available P2P server on the P2P network from the Web service provider using the Web service;
registering the available P2P server in a Web service cluster using the Web service;

downloading a search form from the Web service provider to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the

potential collaborators, wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;

manually entering data into at least one of the search entry fields by a user of the seeker device;

performing a search by the seeker device on the P2P network to determine identity files that include the manually entered data;

determining the collaborators that correspond to the determined identity files; and
initiating a collaboration session with the collaborators.

29. (Previously Presented) The method of claim 10, wherein each identity file is stored as one of an XML file on a P2P shared directory on a potential collaborator or on a distributed Hash Table on the P2P network.

30. (New) A system that forms a collaboration session among devices on a peer-to-peer (P2P) network, the system comprising:

a service provider that is configured to provide a plurality of Web service descriptor files (WSDLs), wherein each WSDL corresponds to a search type;

a querying device that is connected to the service provider and configured to request a WSDL from the service provider corresponding to one of the search types, wherein the user device includes a simple-object access protocol (SOAP) client and a SOAP server; and

a plurality of queried devices connected to the querying device via a peer to peer (P2P) network, each of the queried devices including a simple-object access protocol (SOAP) client and a SOAP server,

wherein the SOAP client of the querying device is configured to initiate a search process by transmitting a query over the P2P network, wherein the query is based on a WSDL file received from the service provider that corresponds to the requested search type,

wherein the SOAP server of each of the queried devices is configured to receive the query and the SOAP client of each of the queried devices is configured to send a response to the query over the P2P network,

wherein the SOAP server of the querying device is configured to receive the response over the P2P network, and

wherein the querying device sets up a collaboration session among at least one of the queried devices based on the received responses.